

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/40511

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B66B 13/00, 13/30
US CL : 187/325

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 187/325, 313, 333, 340; 49/118, 120

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,404,969 A (HOEFSLOOT) 11 April 1995 (11.04.1995), figure 2.	1
A	US 5,165,505 A (HAYASHI et al.) 24 November 1992 (24.11.1992), Figure 3.	1
A	JP 11-43276 A (HITACHI LTD) 16 February 1999 (16.02.1999), figure 2, abstract.	1-5
A	JP 11-11839 A (HITACHI LTD) 19 January 1999 (19.01.1999) Figures 1, 3, 7, abstract.	1-5

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
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"P"	document published prior to the international filing date but later than the priority date claimed
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"&"	document member of the same patent family

Date of the actual completion of the international search
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